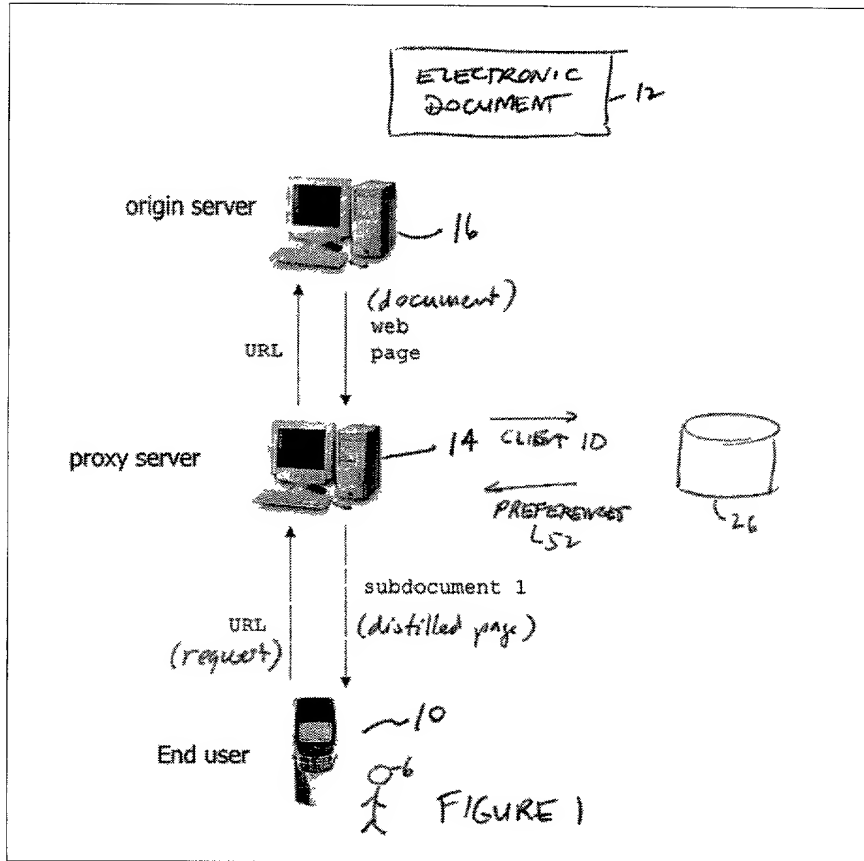


FIGURES

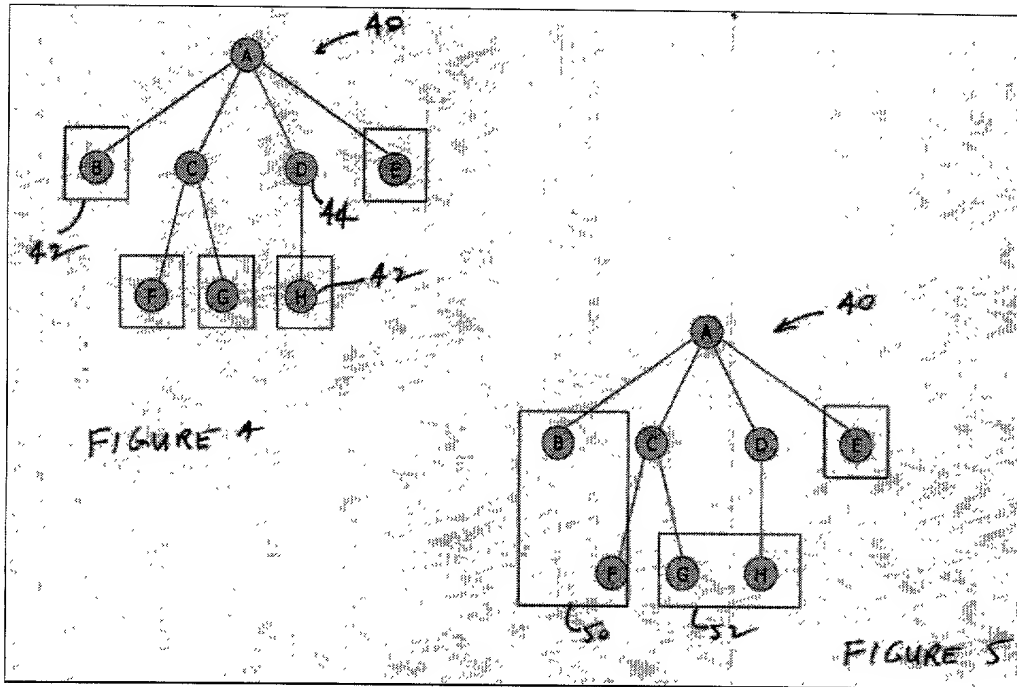


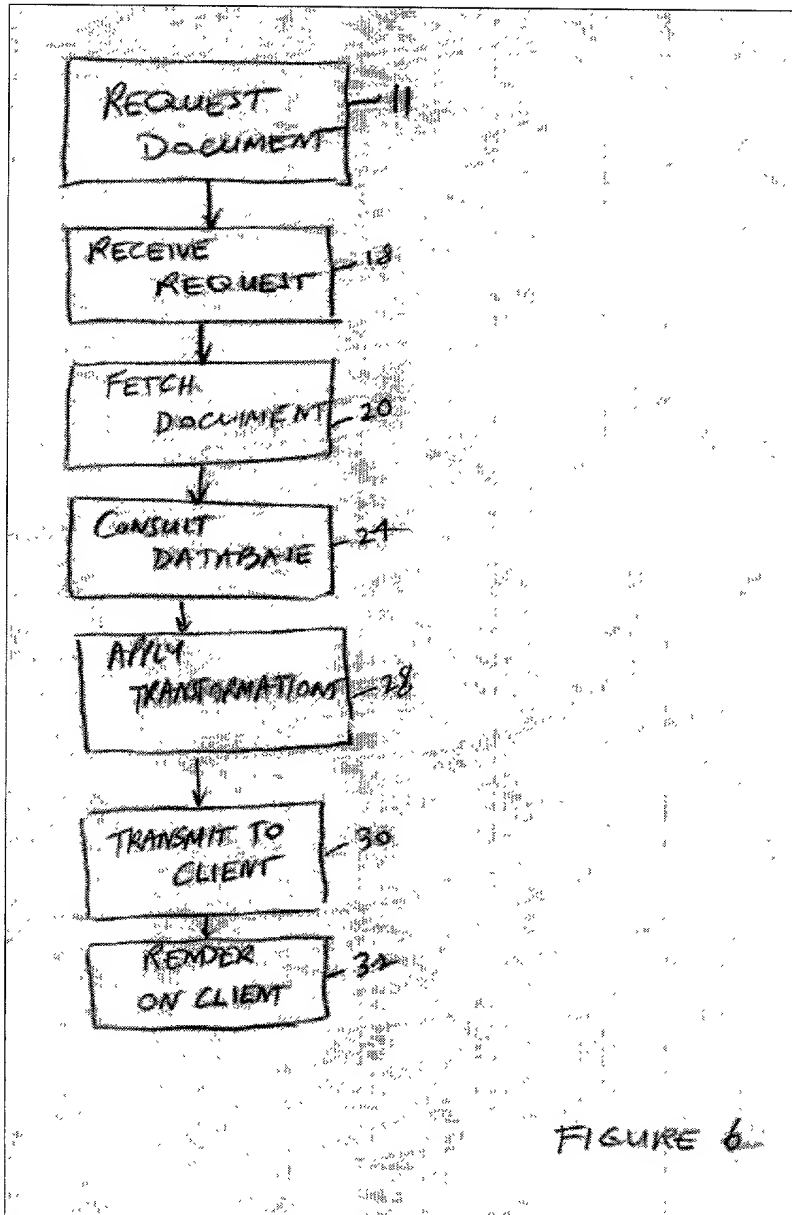
The flowchart illustrates the process of document segmentation. At the top, a rectangular box labeled "Original document" (with reference numeral 12) has a large downward-pointing arrow labeled "segmentation" leading to a sequence of overlapping rectangular boxes. The first box is labeled "Subdocument 1", the second "Subdocument 2", and the last "Subdocument n". These boxes are connected by curved arrows forming a chain, with a reference numeral 20 pointing to the overlapping area between Subdocument 1 and Subdocument 2. A reference numeral 24 points to the curved arrow between Subdocument 1 and Subdocument 2. The entire process is labeled "FIGURE 2".

```

graph TD
    A[Raw input document 30] --> B[xml conversion 32]
    A --> C[Detect client max. document size 30]
    B -- xml 32 --> D[segmentation 31]
    C -- M 30 --> D
    D --> E[Segmented document 36]
    E --> F[Insert into cache 38]
    F --> G[Conversion to output format 43]
    G --> H[RESPOND TO REQUEST 39]
    H --> I[MAINTAIN STATE 41]
  
```

FIGURE 3

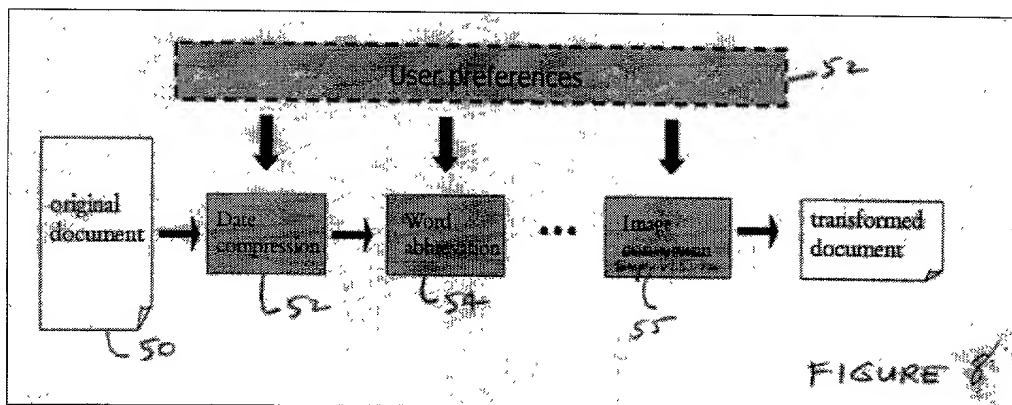




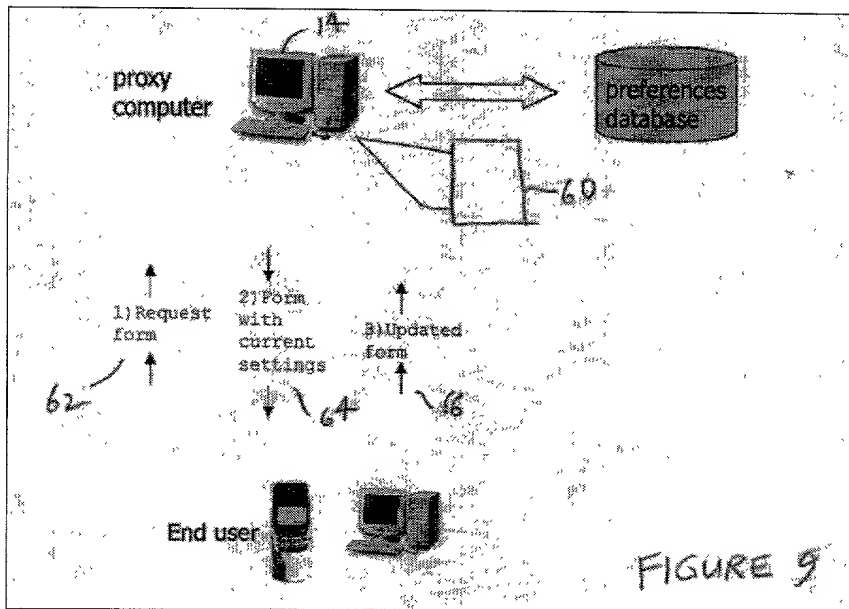
Variable	Mean	SD	Min	Max
Age	38.5	10.5	25	55
Gender	0.5	0.5	0	1
Marital status	0.5	0.5	0	1
Education	12.5	1.5	10	15
Income	1500	500	1000	2000
Health status	0.5	0.5	0	1
Smoking status	0.5	0.5	0	1
Alcohol consumption	0.5	0.5	0	1
Exercise frequency	0.5	0.5	0	1
Stress level	0.5	0.5	0	1
Sleep quality	0.5	0.5	0	1
Work satisfaction	0.5	0.5	0	1
Life satisfaction	0.5	0.5	0	1
Overall health	0.5	0.5	0	1
Physical health	0.5	0.5	0	1
Mental health	0.5	0.5	0	1
Social health	0.5	0.5	0	1
Emotional health	0.5	0.5	0	1
Behavioral health	0.5	0.5	0	1
Environmental health	0.5	0.5	0	1
Occupational health	0.5	0.5	0	1
Family health	0.5	0.5	0	1
Community health	0.5	0.5	0	1
National health	0.5	0.5	0	1
Global health	0.5	0.5	0	1

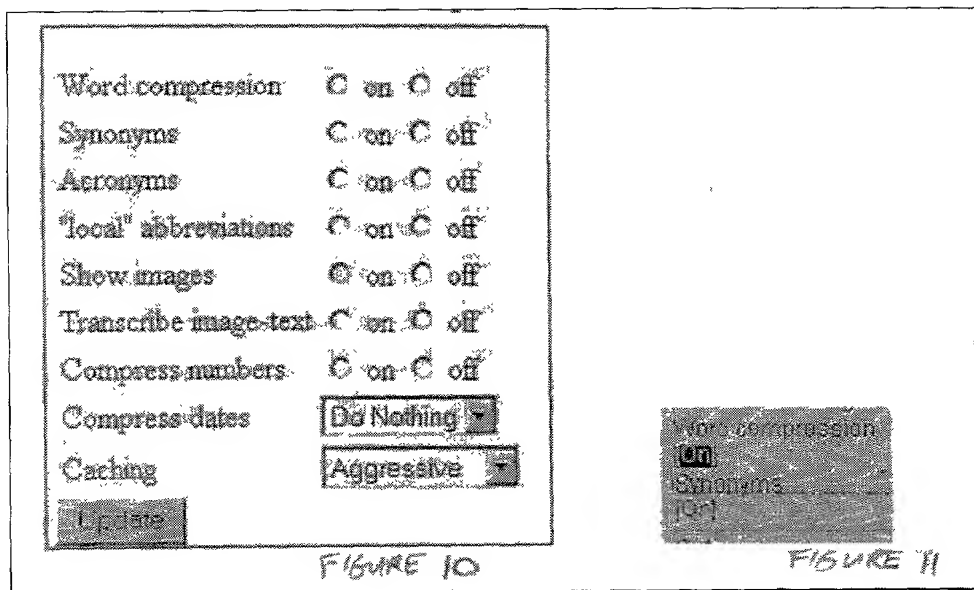
<u>User</u>	<u>Word abbreviations?</u>	<u>Images?</u>	<u>Max. doc size</u>	<u>Date abbreviations?</u>
212-803-1234	yes	no	2000 bytes	yes
203-989-9345	no	yes	16000 bytes	yes
909-454-5512	no	no	1492 bytes	no
412-309-8882	yes	yes	1223 bytes	no

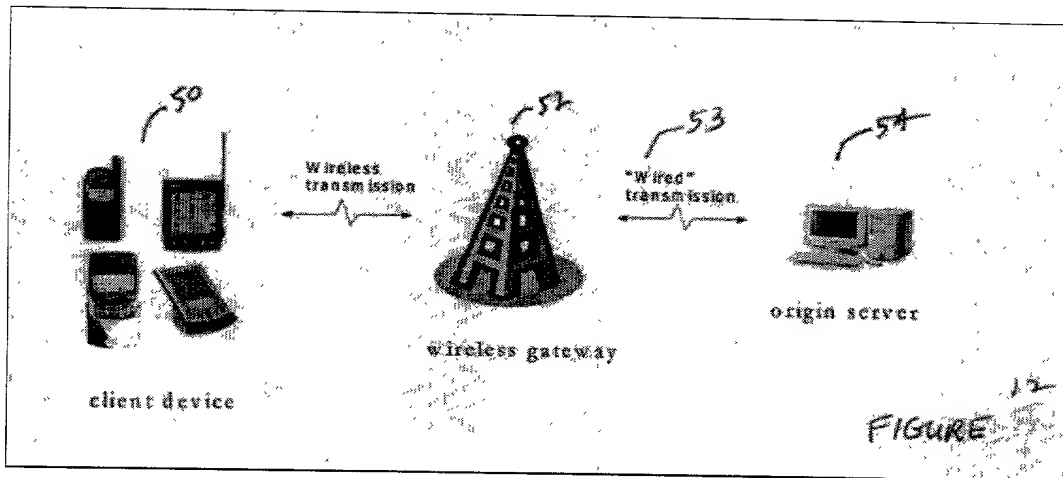
FIGURE 7

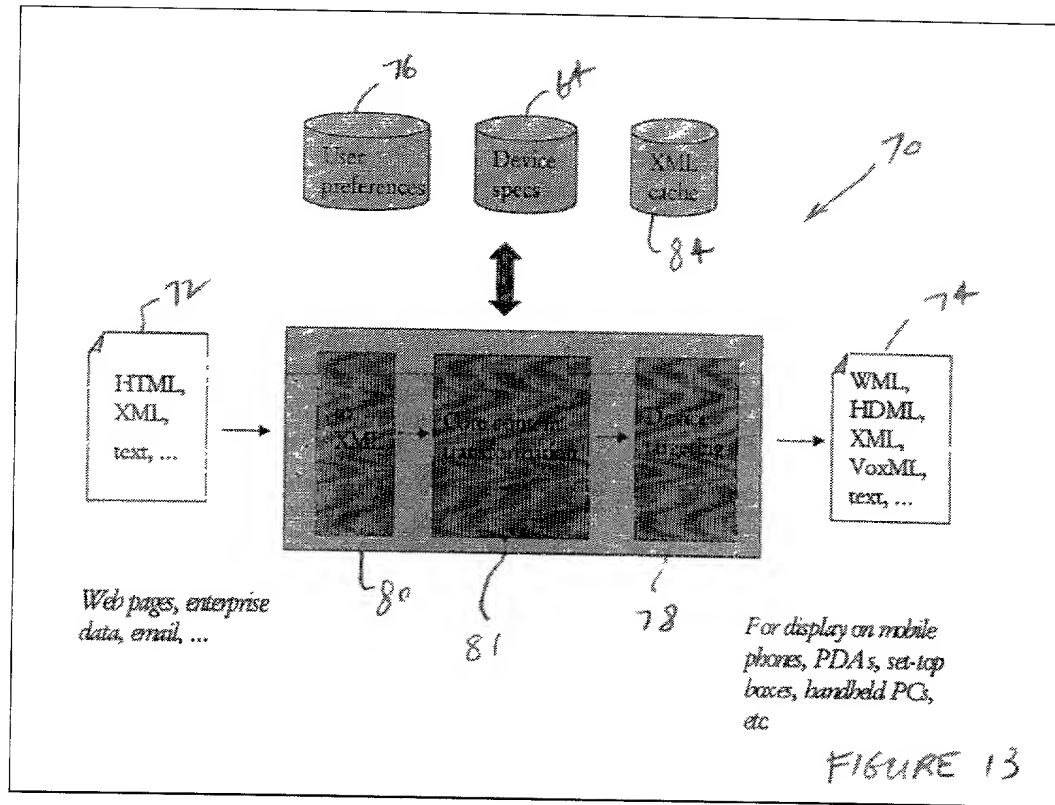


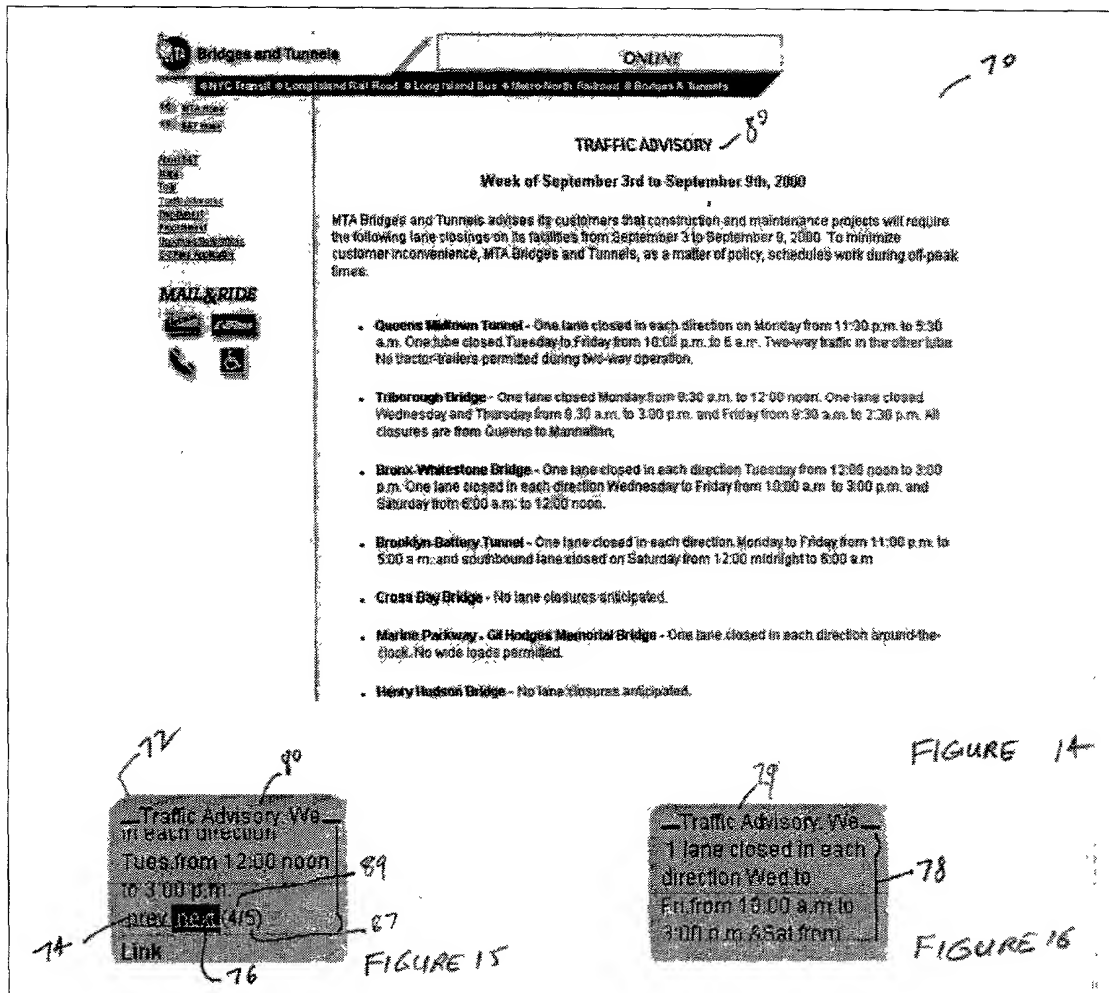
1. *Chlorophyll a* (Chl *a*)
 2. *Chlorophyll b* (Chl *b*)
 3. *Chlorophyll c* (Chl *c*)
 4. *Chlorophyll d* (Chl *d*)
 5. *Chlorophyll e* (Chl *e*)
 6. *Chlorophyll f* (Chl *f*)
 7. *Chlorophyll g* (Chl *g*)
 8. *Chlorophyll h* (Chl *h*)
 9. *Chlorophyll i* (Chl *i*)
 10. *Chlorophyll j* (Chl *j*)
 11. *Chlorophyll k* (Chl *k*)
 12. *Chlorophyll l* (Chl *l*)
 13. *Chlorophyll m* (Chl *m*)
 14. *Chlorophyll n* (Chl *n*)
 15. *Chlorophyll o* (Chl *o*)
 16. *Chlorophyll p* (Chl *p*)
 17. *Chlorophyll q* (Chl *q*)
 18. *Chlorophyll r* (Chl *r*)
 19. *Chlorophyll s* (Chl *s*)
 20. *Chlorophyll t* (Chl *t*)
 21. *Chlorophyll u* (Chl *u*)
 22. *Chlorophyll v* (Chl *v*)
 23. *Chlorophyll w* (Chl *w*)
 24. *Chlorophyll x* (Chl *x*)
 25. *Chlorophyll y* (Chl *y*)
 26. *Chlorophyll z* (Chl *z*)
 27. *Chlorophyll aa* (Chl *aa*)
 28. *Chlorophyll ab* (Chl *ab*)
 29. *Chlorophyll ac* (Chl *ac*)
 30. *Chlorophyll ad* (Chl *ad*)
 31. *Chlorophyll ae* (Chl *ae*)
 32. *Chlorophyll af* (Chl *af*)
 33. *Chlorophyll ag* (Chl *ag*)
 34. *Chlorophyll ah* (Chl *ah*)
 35. *Chlorophyll ai* (Chl *ai*)
 36. *Chlorophyll aj* (Chl *aj*)
 37. *Chlorophyll ak* (Chl *ak*)
 38. *Chlorophyll al* (Chl *al*)
 39. *Chlorophyll am* (Chl *am*)
 40. *Chlorophyll an* (Chl *an*)
 41. *Chlorophyll ao* (Chl *ao*)
 42. *Chlorophyll ap* (Chl *ap*)
 43. *Chlorophyll aq* (Chl *aq*)
 44. *Chlorophyll ar* (Chl *ar*)
 45. *Chlorophyll as* (Chl *as*)
 46. *Chlorophyll at* (Chl *at*)
 47. *Chlorophyll au* (Chl *au*)
 48. *Chlorophyll av* (Chl *av*)
 49. *Chlorophyll aw* (Chl *aw*)
 50. *Chlorophyll ax* (Chl *ax*)
 51. *Chlorophyll ay* (Chl *ay*)
 52. *Chlorophyll az* (Chl *az*)
 53. *Chlorophyll aza* (Chl *aza*)
 54. *Chlorophyll abz* (Chl *abz*)
 55. *Chlorophyll acz* (Chl *acz*)
 56. *Chlorophyll adz* (Chl *adz*)
 57. *Chlorophyll aez* (Chl *aez*)
 58. *Chlorophyll afz* (Chl *afz*)
 59. *Chlorophyll agz* (Chl *agz*)
 60. *Chlorophyll ahz* (Chl *ahz*)
 61. *Chlorophyll aiz* (Chl *aiz*)
 62. *Chlorophyll ajz* (Chl *ajz*)
 63. *Chlorophyll akz* (Chl *akz*)
 64. *Chlorophyll alz* (Chl *alz*)
 65. *Chlorophyll amz* (Chl *amz*)
 66. *Chlorophyll anz* (Chl *anz*)
 67. *Chlorophyll aoz* (Chl *aoz*)
 68. *Chlorophyll apz* (Chl *apz*)
 69. *Chlorophyll aqz* (Chl *aqz*)
 70. *Chlorophyll arz* (Chl *arz*)
 71. *Chlorophyll asz* (Chl *asz*)
 72. *Chlorophyll atz* (Chl *atz*)
 73. *Chlorophyll auz* (Chl *auz*)
 74. *Chlorophyll avz* (Chl *avz*)
 75. *Chlorophyll awz* (Chl *awz*)
 76. *Chlorophyll axz* (Chl *axz*)
 77. *Chlorophyll ayz* (Chl *ayz*)
 78. *Chlorophyll ayz* (Chl *ayz*)
 79. *Chlorophyll azz* (Chl *azz*)
 80. *Chlorophyll azaa* (Chl *aza*)
 81. *Chlorophyll abz* (Chl *abz*)
 82. *Chlorophyll acz* (Chl *acz*)
 83. *Chlorophyll adz* (Chl *adz*)
 84. *Chlorophyll aez* (Chl *aez*)
 85. *Chlorophyll afz* (Chl *afz*)
 86. *Chlorophyll agz* (Chl *agz*)
 87. *Chlorophyll ahz* (Chl *ahz*)
 88. *Chlorophyll aiz* (Chl *aiz*)
 89. *Chlorophyll ajz* (Chl *ajz*)
 90. *Chlorophyll akz* (Chl *akz*)
 91. *Chlorophyll alz* (Chl *alz*)
 92. *Chlorophyll amz* (Chl *amz*)
 93. *Chlorophyll anz* (Chl *anz*)
 94. *Chlorophyll aoz* (Chl *aoz*)
 95. *Chlorophyll apz* (Chl *apz*)
 96. *Chlorophyll aqz* (Chl *aqz*)
 97. *Chlorophyll arz* (Chl *arz*)
 98. *Chlorophyll asz* (Chl *asz*)
 99. *Chlorophyll atz* (Chl *atz*)
 100. *Chlorophyll auz* (Chl *auz*)
 101. *Chlorophyll avz* (Chl *avz*)
 102. *Chlorophyll awz* (Chl *awz*)
 103. *Chlorophyll axz* (Chl *axz*)
 104. *Chlorophyll ayz* (Chl *ayz*)
 105. *Chlorophyll ayz* (Chl *ayz*)
 106. *Chlorophyll azz* (Chl *azz*)
 107. *Chlorophyll azaa* (Chl *aza*)
 108. *Chlorophyll abz* (Chl *abz*)
 109. *Chlorophyll acz* (Chl *acz*)
 110. *Chlorophyll adz* (Chl *adz*)
 111. *Chlorophyll aez* (Chl *aez*)
 112. *Chlorophyll afz* (Chl *afz*)
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 114. *Chlorophyll ahz* (Chl *ahz*)
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 116. *Chlorophyll ajz* (Chl *ajz*)
 117. *Chlorophyll akz* (Chl *akz*)
 118. *Chlorophyll alz* (Chl *alz*)
 119. *Chlorophyll amz* (Chl *amz*)
 120. *Chlorophyll anz* (Chl *anz*)
 121. *Chlorophyll aoz* (Chl *aoz*)
 122. *Chlorophyll apz* (Chl *apz*)
 123. *Chlorophyll aqz* (Chl *aqz*)
 124. *Chlorophyll arz* (Chl *arz*)
 125. *Chlorophyll asz* (Chl *asz*)
 126. *Chlorophyll atz* (Chl *atz*)
 127. *Chlorophyll auz* (Chl *auz*)
 128. *Chlorophyll avz* (Chl *avz*)
 129. *Chlorophyll awz* (Chl *awz*)
 130. *Chlorophyll axz* (Chl *axz*)
 131. *Chlorophyll ayz* (Chl *ayz*)
 132. *Chlorophyll ayz* (Chl *ayz*)
 133.











Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	0.5	0.5	0	1
Marital status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	15.2	8.5	5	35
Occupation	1.2	0.8	0	2
Health status	1.8	0.5	1	3
Stress level	2.5	1.2	1	4
Life satisfaction	3.2	0.8	2	4
Resilience	2.8	0.9	1	4
Optimism	3.5	0.7	2	4
Self-efficacy	3.8	0.6	2	4
Emotional stability	3.1	0.7	2	4
Prosocial behavior	3.4	0.8	2	4
Empathy	3.6	0.7	2	4
Agreeableness	3.3	0.8	2	4
Conscientiousness	3.7	0.6	2	4
Neuroticism	2.9	0.7	2	4
Openness	3.9	0.5	2	4
Extraversion	3.6	0.7	2	4
Intelligence	110.5	15.2	85	145
Memory	75.2	12.5	60	90
Attention	68.5	10.8	55	80
Processing speed	82.1	14.3	65	95
Verbal ability	95.3	18.7	75	115
Nonverbal ability	88.6	16.4	70	105
Fluid intelligence	85.4	15.1	68	100
Crystalline intelligence	92.7	17.3	75	110
Executive function	78.9	13.6	65	90
Working memory	72.5	11.9	60	85
Inhibition	65.8	10.4	55	75
Planning	70.1	11.2	60	80
Problem solving	75.6	12.8	65	85
Decision making	73.4	11.5	60	85
Emotional regulation	68.2	10.7	55	75
Stress management	65.9	10.1	55	75
Resilience (repeated)	2.8	0.9	1	4
Optimism (repeated)	3.5	0.7	2	4
Self-efficacy (repeated)	3.8	0.6	2	4
Emotional stability (repeated)	3.1	0.7	2	4
Prosocial behavior (repeated)	3.4	0.8	2	4
Empathy (repeated)	3.6	0.7	2	4
Agreeableness (repeated)	3.3	0.8	2	4
Conscientiousness (repeated)	3.7	0.6	2	4
Neuroticism (repeated)	2.9	0.7	2	4
Openness (repeated)	3.9	0.5	2	4
Extraversion (repeated)	3.6	0.7	2	4
Intelligence (repeated)	110.5	15.2	85	145
Memory (repeated)	75.2	12.5	60	90
Attention (repeated)	68.5	10.8	55	80
Processing speed (repeated)	82.1	14.3	65	95
Verbal ability (repeated)	95.3	18.7	75	115
Nonverbal ability (repeated)	88.6	16.4	70	105
Fluid intelligence (repeated)	85.4	15.1	68	100
Crystalline intelligence (repeated)	92.7	17.3	75	110
Executive function (repeated)	78.9	13.6	65	90
Working memory (repeated)	72.5	11.9	60	85
Inhibition (repeated)	65.8	10.4	55	75
Planning (repeated)	70.1	11.2	60	80
Problem solving (repeated)	75.6	12.8	65	85
Decision making (repeated)	73.4	11.5	60	85
Emotional regulation (repeated)	68.2	10.7	55	75
Stress management (repeated)	65.9	10.1	55	75

